Amendments to the Claims

Applicant presents claim amendments below indicating the changes with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Claims

1.　(Currently Amended) A computer readable medium having computer-executable instructions, comprising,

accessing a plurality of stroke samples, the stroke samples representing more than one class, wherein at least on class represented is a text class and at least one class represented is a drawing class;

extracting curvature features of each of the strokes for each class; and

using the curvature features, training a ~~trainable classifier~~ <u>support vector machine</u> to classify strokes for each class, wherein the curvature features of a stroke comprise a ~~discreet~~ <u>discrete</u> curvature stroke, the ~~discreet~~ <u>discrete</u> curvature being defined using a difference between angles determined in accordance with points along the stroke.

2.　(Canceled)

3.　(Original) The computer readable medium of claim 1, wherein the curvature features of a stroke comprise a tangent histogram of the stroke.

4.　(Canceled)

5.　(Canceled)

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6.   (Currently Amended) A computer readable medium having computer-executable instructions, comprising:[[,]]

accessing a digital ink file having at least one stroke therein;

extracting curvature features of the at least one stroke;

based upon an analysis of the curvature features, determining whether the at least one stroke is text by evaluating the stroke with a support vector machine; and

based upon the curvature features, determining whether the at least one stroke is classified as an unknown stroke.

7.   (Canceled)

8.   (Canceled)

9.   (Canceled)

10.   (Canceled)

11.   (Canceled)

12.   (Currently Amended) The computer readable medium of claim 6, wherein the curvature features comprise the ~~discreet~~ discrete curvature of the stroke.

13.   (Canceled)

14.   (Currently Amended) ~~The computer readable medium of claim 6,~~ A computer readable medium having computer-executable instructions, comprising: ~~wherein the curvature features comprise the tangent histogram of the stroke.~~

accessing a digital ink file having at least one stroke therein;

extracting ~~curvature features~~ the tangent histogram of the at least one stroke;

based upon an analysis of the ~~curvature features~~ the tangent histogram, determining whether the at least one stroke is text; and

based upon the ~~curvature features~~ the tangent histogram, determining whether the at least one stroke is classified as an unknown stroke.

15-20.   (Canceled)

21.   (Currently Amended) ~~A computer readable medium having computer-executable instructions,~~

The computer readable medium of claim 6, further comprising:

accessing ~~a digital ink file having~~ a plurality of strokes in the digital ink file, and ~~therein; determining a class for each of the plurality of strokes base upon an analysis of curvature features of the strokes, wherein said determining includes determining whether each of the plurality of strokes is an unknown stroke;~~ and

grouping some of the strokes of the plurality of strokes based upon local characteristics of the plurality of strokes to ~~formed~~ form grouped strokes.

22.   (Currently Amended) The computer readable medium of claim 21, ~~wherein grouping some of the strokes based upon local characteristics of~~ wherein the grouped strokes are grouped ~~comprises grouping some of the strokes~~ based upon spatial information regarding the plurality of strokes.

23.   (Currently Amended) The computer readable medium of claim 22, wherein the spatial information comprises a distance threshold between strokes in the subset of the plurality of strokes ~~grouped strokes~~.

24.   (Currently Amended) The computer readable medium of claim ~~22~~ 1, ~~wherein grouping some of the strokes based upon local characteristics of the grouped strokes~~

~~comprises~~ <u>further comprising</u> grouping some of the strokes of <u>the plurality of strokes</u> based upon a relative height threshold of the <u>plurality of</u> strokes.

25. (Currently Amended) The computer readable medium of claim ~~24~~ <u>1</u>, ~~wherein grouping some of the strokes based upon local characteristics of the grouped strokes comprises~~ <u>further comprising</u> grouping some of the strokes of <u>the plurality of strokes</u> based upon a relative aspect ratio of the <u>plurality of</u> strokes.

26. (Currently Amended) The computer readable medium of claim 21, ~~wherein grouping some of the strokes based upon local characteristics of~~ <u>wherein</u> the grouped strokes <u>are grouped based</u> ~~comprises basing the grouping~~ upon a relative height threshold of the strokes.

27. (Canceled)

28. (Currently Amended) The computer readable medium of claim 21, ~~wherein grouping some of the strokes based upon local characteristics of~~ <u>wherein</u> the grouped strokes <u>are grouped</u> ~~comprises grouping some of the strokes~~ based upon a relative aspect ratio of the strokes.

29. (Canceled)

30. (Currently Amended) The computer readable medium of claim 21<u>,</u> ~~29, wherein grouping some of the strokes based upon characteristics of the plurality of strokes comprises grouping some of the strokes~~ <u>wherein the grouped strokes are grouped</u> based upon a normalized height of at least some of the plurality of strokes.

31. (Canceled)

32.   (Currently Amended) The computer readable medium of claim <u>21,</u> ~~29, wherein~~ ~~grouping some of the strokes based upon characteristics of the plurality of strokes~~ ~~comprises grouping some of the strokes~~ <u>wherein the grouped strokes are grouped</u> based upon a threshold distance between the strokes.

33.– 38   (Canceled)